

STIC Biotechnology Systems Branch**RAW SEQUENCE LISTING**
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/535,128C
Source: TEWO
Date Processed by STIC: 11/22/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

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Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <i>10/535, 128C</i>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220>"Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213>"Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	

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IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/535,128C

DATE: 11/22/2006

TIME: 11:26:26

Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\11222006\J535128C.raw

3 <110> APPLICANT: Collins, et. al
5 <120> TITLE OF INVENTION: CIS/Trans Riboregulators
7 <130> FILE REFERENCE: 0079571-0094
9 <140> CURRENT APPLICATION NUMBER: 10/535,128C
10 <141> CURRENT FILING DATE: 2005-05-16
12 <160> NUMBER OF SEQ ID NOS: 59
14 <170> SOFTWARE: PatentIn version 3.2
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 11
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Consensus sequence
24 <400> SEQUENCE: 1
25 gccgaccaug c
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 18
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Nuclear Acid sequence
36 <400> SEQUENCE: 2
37 aggagggtt ttaccaug
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 19
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Cis-Repressive
48 <400> SEQUENCE: 3
49 ggacgcactg accgaattc
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 20
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Cis-Repressive
60 <400> SEQUENCE: 4
61 ctacctttct cctcttaat
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 18
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial

Does Not Comply
Corrected Diskette Needed
Cp8-1,2,3,4,15

11

What is the source
of genetic material?
¹⁸
(See item 11 on
error summary
sheet)
¹⁹

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/535,128C

DATE: 11/22/2006
TIME: 11:26:26

Input Set : A:\BU-0094.ST25.txt
Output Set: N:\CRF4\11222006\J535128C.raw

69 <220> FEATURE:
70 <223> OTHER INFORMATION: Cis-Repressive
72 <400> SEQUENCE: 5
73 ttctctatgc ctccttat
76 <210> SEQ ID NO: 6
77 <211> LENGTH: 19
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Cis-Repressive
84 <400> SEQUENCE: 6
85 ctacccattc cctcttagga
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 19
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Cis-Repressive
96 <400> SEQUENCE: 7
97 ctaccatatc gctcttgaa
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 19
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Cis-Repressive
108 <400> SEQUENCE: 8
109 ctaccattca cctcttgaa
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 16
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Cis-Repressive
120 <400> SEQUENCE: 9
121 ctaccattca ccttgaa
124 <210> SEQ ID NO: 10
125 <211> LENGTH: 7
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Cis-Repressive
132 <400> SEQUENCE: 10
133 tttgggt
136 <210> SEQ ID NO: 11
137 <211> LENGTH: 15
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial
141 <220> FEATURE:

18
19
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Same Error
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/535,128CDATE: 11/22/2006
TIME: 11:26:26Input Set : A:\BU-0094.ST25.txt
Output Set: N:\CRF4\11222006\J535128C.raw

142 <223> OTHER INFORMATION: Cis-Repressive
 144 <400> SEQUENCE: 11
 145 attaaagagg agaaa
 148 <210> SEQ ID NO: 12
 149 <211> LENGTH: 42
 150 <212> TYPE: DNA
 151 <213> ORGANISM: Artificial
 153 <220> FEATURE:
 154 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs
 156 <400> SEQUENCE: 12
 157 ggagcactga ccgaattcat taaagaggag aaaggtacca tg 15
 160 <210> SEQ ID NO: 13
 161 <211> LENGTH: 51
 162 <212> TYPE: DNA
 163 <213> ORGANISM: Artificial
 165 <220> FEATURE:
 166 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs
 168 <400> SEQUENCE: 13
 169 ctacccttct cctctttaat ttgggtatt aaagaggaga aaggtaccat g 42
 172 <210> SEQ ID NO: 14
 173 <211> LENGTH: 47
 174 <212> TYPE: DNA
 175 <213> ORGANISM: Artificial
 177 <220> FEATURE:
 178 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs
 180 <400> SEQUENCE: 14
 181 ctcttagtcct ctttattttg ggtattaaag aggagaaagg taccatg 51
 184 <210> SEQ ID NO: 15
 185 <211> LENGTH: 50
 186 <212> TYPE: DNA
 187 <213> ORGANISM: Artificial
 189 <220> FEATURE:
 190 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs
 192 <400> SEQUENCE: 15
 193 ctacccttct cctcttagat ttgggtatta aagaggaga aaggtaccatg
 196 <210> SEQ ID NO: 16
 197 <211> LENGTH: 50
 198 <212> TYPE: DNA
 199 <213> ORGANISM: Artificial
 201 <220> FEATURE:
 202 <223> OTHER INFORMATION: Nuclear Acid sequence 50
 204 <400> SEQUENCE: 16
 205 ctacctatct gctcttgaat ttgggtatta aagaggaga aaggtaccatg
 208 <210> SEQ ID NO: 17
 209 <211> LENGTH: 50
 210 <212> TYPE: DNA
 211 <213> ORGANISM: Artificial
 213 <220> FEATURE:
 214 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs

same over

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/535,128C

DATE: 11/22/2006
TIME: 11:26:26

Input Set : A:\BU-0094.ST25.txt
Output Set: N:\CRF4\11222006\J535128C.raw

216 <400> SEQUENCE: 17
217 ctaccattca cctcttggat ttgggttatta aagaggagaa aggtaccatg 50
220 <210> SEQ ID NO: 18
221 <211> LENGTH: 50
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs
228 <400> SEQUENCE: 18
229 ctaccattca cctcttggat ttgggttatta aagaggagaa aggtaccatg 50
232 <210> SEQ ID NO: 19
233 <211> LENGTH: 70
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Construct Sequence
240 <400> SEQUENCE: 19
241 acacccaaat taaagaggag aaaggttagtg gtggtaatg aaaattaact tactactacc 60
243 tttctttaga 70
246 <210> SEQ ID NO: 20
247 <211> LENGTH: 62
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Construct Sequence
254 <400> SEQUENCE: 20
255 acacccaaat aaggaggata gagtggtggg taatgaaaat taacttacta cttagttta 60
257 ga 62
260 <210> SEQ ID NO: 21
261 <211> LENGTH: 69
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Construct Sequence
268 <400> SEQUENCE: 21
269 acacccaaat cctaggaga atggtagtgg tggttaatga aaattaactt actactactt 60
271 tttcataga 69
274 <210> SEQ ID NO: 22
275 <211> LENGTH: 67
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Construct Sequence
282 <400> SEQUENCE: 22
283 acacccaaat tatgagcaga ttggtagtgg tggttaatga aaattaactt actactactt 60
285 tctttaga 67
288 <210> SEQ ID NO: 23
289 <211> LENGTH: 71
290 <212> TYPE: DNA

Same Error

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/535,128CDATE: 11/22/2006
TIME: 11:26:26Input Set : A:\BU-0094.ST25.txt
Output Set: N:\CRF4\11222006\J535128C.raw

291 <213> ORGANISM: Artificial
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Construct Sequence
296 <400> SEQUENCE: 23
297 acccaaatcc aggaggtgat tggtagtggt ggttaatgaa aattaactta ctactaccat 60
299 atatctctag a 71
302 <210> SEQ ID NO: 24
303 <211> LENGTH: 71
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Construct Sequence
310 <400> SEQUENCE: 24
311 acccaaatcc aggaggtgaa tggtagtggt ggttaatgaa aattaactta ctactaccat 60
313 atatctctag a 71
316 <210> SEQ ID NO: 25
317 <211> LENGTH: 71
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Construct Sequence
324 <400> SEQUENCE: 25
325 acccaaatcc aagaggtgat tggtagtggt ggttaatgaa aattaactta ctactaccat 60
327 atatctctag a 71
330 <210> SEQ ID NO: 26
331 <211> LENGTH: 76
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Construct Sequence
338 <400> SEQUENCE: 26
339 acccaaatcc aaagaggtga atgtaagtg ggtggtaat gaaaattaac ttactactac 60
341 catatattct ctaaga 76
344 <210> SEQ ID NO: 27
345 <211> LENGTH: 71
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Construct Sequence
352 <400> SEQUENCE: 27
353 acccaaatcc aggaggtgat tggtagtggt ggttaatgaa aattaactta ctaaaatcgg 60
355 acatctctag a 71
358 <210> SEQ ID NO: 28
359 <211> LENGTH: 75
360 <212> TYPE: DNA
361 <213> ORGANISM: Artificial
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Construct Sequence
366 <400> SEQUENCE: 28

? same Error

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/535,128C DATE: 11/22/2006
TIME: 11:26:27

Input Set : A:\BU-0094.ST25.txt
Output Set: N:\CRF4\11222006\J535128C.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59

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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/535,128C

DATE: 11/22/2006
TIME: 11:26:27

Input Set :: A:\BU-0094.ST25.txt
Output Set: N:\CRF4\11222006\J535128C.raw